IND 5427C INTERIOR DESIGN CONSTRUCTION DOCUMENTS
FALL 2025 | 4 CREDITS | DEPARTMENT OF INTERIOR DESIGN
UNIVERSITY OF FLORIDA
COLLEGE OF DESIGN, CONSTRUCTION AND PLANNING

SYLLABUS

INSTRUCTORS
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Office AH 346 | Office Hours: TBA

COURSE INTENTIONS

In this course you will investigate and practice synthesizing three-dimensional design intentions with building technologies and different forms of construction. You will also be introduced to the practice of communicating design decisions and intended construction quality to other building professionals through working drawings. Finally, you will be introduced to Building Information Modeling (BIM) systems for documentation. Class exercises and projects will accumulate to form a partial set of construction documents.

EDUCATIONAL OBJECTIVES

- Illustrate an awareness of the environmental impact of construction (CIDA Standard 15a)
- Demonstrate that design solutions affect and are impacted by:
    - base-building structural systems and construction methods (15b)
    - interior systems, construction, and installation methods (15c)
    - detailing and specification of interior construction materials, products, and finishes (15d)
    - the integration of building systems including electrical (such as power, data, lighting, telecommunications, and audio visual) and mechanical (such as HVAC, plumbing, and sprinklers). (15e)
    - Building controls systems (15f)
    - Vertical and horizontal systems of transport and circulation such as stairs, ramps, elevators, or escalators (15g)
- Demonstrate the formats, components, and accepted standards for an integrated and comprehensive set of interior construction documents. (15h)
- Demonstrate the ability to read and interpret construction documents (15i)
- Produce competent contract documents including drawings, detailing, schedules, and specifications appropriate to project size and scope. (15j)
- Demonstrate an awareness of the origins and intent of laws, codes, and standards (CIDA Standard 16a)
- Illustrate an understanding of detection such as active devices that alert occupants including smoke/heat and alarm systems (CIDA Standard 16d)
- Illustrate and understanding of suppression such as devices used to extinguish flames including sprinklers, standpipes, fire hose cabinets, extinguishers, etc. (CIDA Standard 16f)
- Demonstrate the ability to apply codes for occupancy group and load calculations (16g); movement, travel distance, and means of egress (16h); barrier-free and accessibility regulations and guidelines (16i)

CO-LISTING: This MID leveling course is co-listed with IND3483 in order to help students with a non-interior design undergraduate degree students to gain critical knowledge for their professional career.

COURSE ORGANIZATION

Time: M/W 3 – 4:55 pm **Location:** RNK 225

Required Subscription

We will be using **iClicker Cloud** for class participation. You can use your mobile phone or web app to actively participate in class. You will need to create a student account if you have not done so already. This is **FREE** for UF students, so make sure that you are using your UF email when registering for iClicker Cloud. To get started, please follow the instructions noted for students from this site: https://at.ufl.edu/service-teams/classrooms/classroom-technology/iclicker-response-system/. In particular, look at the links for downloading the student app and then scroll down until you see the table with content for students listed on the right-hand side.

You need to have an account created and apps downloaded **before** the first lecture. Participation through iClicker will sync with your Canvas gradebook. When you answer a question, half of the points are earned for just participating and the other half assess accuracy.

Required Texts

- Ballast, D. (2013). *Interior Construction and Detailing for Designers and Architects, 6th edition.* Professional Publications, Incorporated. ISBN: 978-1591264200.

Recommended Texts

- Allen, E. and Thallon, R. (2017). *Fundamentals of Residential Construction.* (4th Ed.). Hoboken: John Wiley & Sons. ISBN: 978-1-118-97799-6.
- Ching, F. and Adams, C. (2008). *Building Construction Illustrated*. (4th Ed.). New York: John Wiley & Sons. ISBN: 978-0-470-08781-7.

Format

Lectures will typically occur on Mondays and will consist of material presented by the instructor as well as class discussions based on readings. Assigned readings are noted on particular dates and should be completed by those dates. Reading will help familiarize you with the lecture material beforehand and will enhance class discussions.

Labs will take place three hours a week within scheduled class times. Lab Exercises will provide you with the opportunity to apply material learned during lectures and will be structured around a design project given to you at the beginning of the semester. The exercises are sequential and build upon one another to provide you with a partial set of construction documents by semesters end.

Site Visits

Site Visits will provide a connection to course material with important work in the surrounding community. All students will be required to attend these visits, making arrangements to travel if necessary.

Exams

Exams will cover lecture material, reading assignments, and information gleaned from the lab exercises. These exams are intended to assess your understanding of the course content and challenge application of material.

Final Project
Final project will be comprehensive in nature. This project is intended to build upon established knowledge base, small projects and assignments, and course material.

Participation
Attendance in lectures and labs is mandatory. You must be present and working for the entire class to be marked present. Attendance is essential to the learning process. It is expected that students will be both present and on time for each class session, and that the instructor will be notified in advance of any necessary absence in person, by phone or by email. Two unexcused absences will be tolerated without penalty. Each additional unexcused absence will result in the reduction of your course grade by one letter grade. If you have more than six unexcused absences, you will automatically fail the course.

In addition to attendance, class participation will be assessed using iClicker Cloud. You are expected to stay engaged throughout class and be prepared to answer questions through the app throughout class.

As a graduate student, you will also be expected to develop a short presentation spotlighting innovations in sustainable construction to be presented 11/17.

UF ACADEMIC POLICIES & RESOURCES:
Please see academic policies and resources (https://go.ufl.edu/syllabuspolicies) regarding:

- Requirements for attendance and makeup assignments (https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/)
- Getting connected to the Disability Resource Center (DRC) (https://disability.ufl.edu/get-started/)
- UF Grading policies (https://catalog.ufl.edu/UGRD/academic-regulations/grades-grading-policies/)
- Course Evaluations (https://my-ufl.bluera.com/)
- Honesty Policy regarding cheating, plagiarism, etc. (https://sccr.dso.ufl.edu/process/student-conduct-code/)
- In-Class Recording
- Academic resources (i.e. Computing Help Desk, Career Connections, Library Support, Writing Studio, etc.)
- Campus Health and Wellness Resources (https://one.uf.edu/whole-gator/discover)

Grading Scale

A	93-100	4.0
A-	90-92.9	3.67
B+	87-89.9	3.33
B	83-86.9	3.0
B-	80-82.9	2.67
C+	77-79.9	2.33
C	73-76.9	2.0
C-	70-72.9	1.67
D+	67-69.9	1.33
D	63-66.9	1.0
D-	60-62.9	.67
E	0-59	0.0

Information in regard to UF's grading policy can be found at:
https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx

Criteria for Grades

Exams	40%

Lab Exercises	40%
Final Project	15%
Participation	5%

Schedule*

WK	Dates		Topics / Activities	Due
1	M	08/18	***Classes start 8/21***	
	W	08/20	***Classes start 8/21***	Download iClicker Cloud before class Monday afternoon
2	M	08/25	**Lecture:** Course overview; Building Codes, Regulations, & Contract Docs **Lab:** Project 1 Getting Started; Exercise- Title block, adding new sheets, sheet index	**Due:** Ch 18 Barrier-Free Design **Before next class** - Have doors added (reference Ch 18); Read Ch 18 Barrier-Free Design; Review Building Code provided and Ch 19 Building Codes & Regulations
	W	08/27	**Lab:** Project 1; Exercise- Add room tags, dimensions, introduction to placing and tagging furniture	**Due:** Ch. 19 Building Codes and Regulations, On Canvas **Before next class –** Collect desired furniture family files; Read Ch 17 Structural Coordination
3	M	09/01	*No Class – Labor Day*	
	W	09/03	**Lecture:** Foundation Systems and Structural Coordination **Lab:** Project 1: Exercise - Furniture Plan, Schedule	**Due:** Ch 17 Structural Coordination **Before next class -** Read Ch 1 Partitions
4	M	09/08	**Lecture:** Wall Framing & Partitions **Lab:** Project 1 – Update wall types/P1 Wrap up; Introduce Project 2 **Assign:** Project 2 – ADA Restrooms	**Due:** Ch 1 Partitions **Before next class –** Collect Revit families for restrooms
	W	09/10	**Lab:** Project 2 – Creating callouts, elevations, etc.	**Due: Project 1** by 11:59pm **Before next class** – Read Ch 10 Wall finishes and have ADA layout ready for code check
5	M	09/15	**Okken on CIDA site visit** **Recorded Lecture:** Interior Wall Finishes **Lab:** Project 2; Exercise - Code check, tagging, schedule	**Due:** Ch 10 Wall Finishes
	W	09/17	**Lab:** Project 2; Exercise – Refining elevations	**Before next class** – Read Ch 2 Ceilings

6	M	09/22	**Lecture:** Ceilings **Lab:** Project 2 Wrap up; Set up Project 3 **Assign:** Project 3 – RCP & Coordinating Dwgs	**Due:** Ch 2 Ceilings
	W	09/24	**Lab:** Project 3 Switching and Power Plans	**Due: Project 2** – ADA Restrooms at the **start of class** **Before next class** – Read Ch 20 Means of Egress
7	M	09/29	**Lecture:** Means of Egress **Lab:** Code & Stair Exercises/ Project 3 plans	**Due:** Ch. 20 Means of Egress
	W	10/01	**Lab:** Life Safety Exercise; Submit in Canvas by end of class	**DUE Submit LS Exercise; Friday, Project 3**—RCP & Coordinating Drawing (by 11:59 pm)
8	M	10/06	**Exam Review** *Tuesday/Thursday Site Walks TBA*	
	W	10/08	**EXAM #1**	**Before next class** – Read Ch 6 Architectural Woodwork
9	M	10/13	**Lecture:** Cabinetry & Architectural Millwork **Lab:** Project 3 Wrap up **Assign:** Project 4 – Cabinetry	**Due:** Project 3 by 11:59 pm Ch 6 Architectural Woodwork
	W	10/15	**Lab:** Project 4; Exercise – Enlarged plans, elevations	**Before next class** – Hand sketch typ. Casework section with notes; Read Ch 8 Floor Construction
10	M	10/20	**Lecture:** Floor Construction **Lab:** Project 4; Exercise – Section	**Due:** Ch 8 Floor Construction
	W	10/22	**Lab:** Project 4; Exercise – Refining notes & Dimensions	**Before next class** – Read Ch 9 Floor Finishes
11	M	10/27	**Lecture:** Floor Finishes **Lab:** Project 4 Wrap up **Assign:** Final Project	**Due:** Ch 9 Floor Finishes; **Project 4 – Cabinetry by 11:59 pm**
	W	10/29	**Lab:** Final Project - Revisions	
`12	M	11/03	**Lecture:** Doors & Hardware **Lab:** Final Project - Finish plan	**Due:** Ch 3 Doors & Ch 4 Hardware

	W	11/05	**Lab:** Final Project – Finish legend	**Before next class** – Read Ch 5 Glazing
13	M	11/10	*No Class – Veteran's Day*	
	W	11/12	**Lecture:** Glazing **Lab:** Final Project – Finish Schedule	**Due:** Ch 5 Glazing **Before next class** – Read Ch 21 Sustainable Design
14	M	11/17	**Lecture:** Sustainability **Lab:** Final Project	**Due:** Ch 21 Sustainable Design; Innovation in Sustainable Construction Presentation
	W	11/19	**Lab:** Final Project	
15	M	11/24	*No Class – Thanksgiving Holiday*	
	W	11/26	*No Class – Thanksgiving Holiday*	
16	M	12/01	**Lab:** Final Project	
	W	12/03	**Lecture:** Exam Review **Lab:** Final Project	**Due: Final Project** (by midnight)

FINAL EXAM: TBA – Tentative Dec 8

***Notes:** This schedule is a general outline of the course. The instructors reserve the right to alter the course in response to academic conditions and opportunities.